=> d ibib abs 1,5,12,32,64,65,72,77,78

L5 ANSWER 1 OF 78 EUROPATFULL COPYRIGHT 2001 WILA

GRANTED PATENT - ERTEILTES PATENT - BREVET DELIVRE

ACCESSION NUMBER: 808111 EUROPATFULL EW 199935 FS PS

TITLE: A LOW PHOSPHORUS ANIMAL FEED

CONTAINING 1 -ALPHA- HYDROXYLATED VITAMIN D COMPOUNDS. 1-ALPHA-HYDROXY-VITAMIN D - VERBINDUNGEN ENTHALTENDES

TIERFUTTER MIT NIEDRIGEM PHOSPHORGEHALT. ALIMENT POUR ANIMAUX A FAIBLE TENEUR EN

PHOSPHORE CONTENANT DES COMPOSES DE LA VITAMINE

D 1-ALPHA-HYDROXYLES.

INVENTOR(S): DELUCA, Hector, F., 1809

Highway BB, Deerfield, WI 53531, US;

BAKER, David, H., 2313 Brookshire West, Champaign, IL

61821, US

PATENT ASSIGNEE(S): WISCONSIN ALUMNI RESEARCH FOUNDATION, 614 North Walnut

Street, Madison, WI 53705, US-

PATENT ASSIGNEE NO:

AGENT:

Ellis-Jones, Patrick George Armine, J.A. KEMP & CO. 14

South Square Gray's Inn, London WC1R 5LX, GB

AGENT NUMBER:

OTHER SOURCE:

EPB1999050 EP 0808111 B1 990901

SOURCE:

Wila-EPS-1999-H35-T3 DOCUMENT TYPE: Patent

LANGUAGE: Anmeldung in Englisch; Veroeffentlichung in Englisch DESIGNATED STATES:

R AT; R BE; R CH; R DE; R DK; R ES; R FR; R GB; R GR; R

IE; R IT; R LI; R LU; R MC; R NL; R PT; R SE

PATENT INFO. PUB. TYPE: EPB1 EUROPAEISCHE PATENTSCHRIFT (Internationale

Anmeldung)

PATENT INFORMATION:

PATENT NO KIND DATE EP 808111 B1 19990901 'OFFENLEGUNGS' DATE: 19971126 APPLICATION INFO.: EP 1996-903676 19960129 PRIORITY APPLN. INFO.: US 1995-383952 19950206 960129 INTAKZ RELATED DOC. INFO.: WO 96-US1021 WO 9624258 960815 INTPNR

REFERENCE PAT. INFO.: REF. NON-PATENT-LIT.:

EP 383116 WO 93-19759 A

ZEITSCHRIFT FUER VERSUCHSTIERKUNDE, vol. 27, no. 3/4, 1985, pages 163-168, XP002001500 ERLING TVEDEGAARD: "Absorption of calcium, magnesium and phosphate during chronic renal failure and the effect of vitamin D in rabbits" JOURNAL OF NUTRITION, vol. 125, no. 9, 1995, pages 2407-2419, XP002001501 ROBERT R. BIEHL ET AL.: "1-alpha-hydroxylated cholecalciferol compounds act

additively with microbial phytase to improve

phosphorus,

zinc and manganese utilization in chicks fed soy-based diets" cited in the application POULTRY SCIENCE, vol. 73, no. 8, 1994, pages 1312-1326, XP002001502 KEVIN D.

ROBERSON ET AL.: "Effects of 1,25-

dihydoxycholecalciferol and phytase on zinc utilization in broiler chicks" POULTRY SCIENCE, vol. 69, no. 3,

1990, pages 426-432, XP002001503 R.H. HARMS ET AL.: "Some observations on the influence of vitamin D metabolites when added to the diet of commercial laying hens" JOURNAL OF DAIRY SCIENCE, vol. 65, no. 10, 1982, CHAPAIGN, ILLINOIS US, pages 1934-1940, XP002001504 K. HOVE ET AL.: "Prevention of parturient hypocalcemia: effect of a single oral dose of 1,25-dihydroxyvitamin D3" POULTRY SCIENCE, vol. 74, no. 1, 1995, pages 121-126, XP002001505 SEIJI AOYAGI ET AL.: "Effect of microbial phytase and 1,25-dihydroxycholecalciferol on dietary copper utilization in chicks"

T.5 ANSWER 5 OF 78 EUROPATFULL COPYRIGHT 2001 WILA

PATENT APPLICATION - PATENTANMELDUNG - DEMANDE DE BREVET

ACCESSION NUMBER:

TITLE:

549367

EUROPATFULL EW 199326 FS OS STA B

Method of treating milk fever disease in dairy cattle.

Verwendung von Vitamin-D-Derivaten und von

Kalziumzusaetzen zur Behandlung des Milchfiebers.

Utilisation de derives de la vitamine D et de

supplement, de calcium pour le traitement de la fievre

de lactation.

INVENTOR(S):

DeLuca, Hector Floyd, 1809

Highway BB, Deerfield, Wisconsin 53531, US;

Hodnett, Dean William, 2029 9th St. Apt. 3, Coralville,

Iowa 52241, US;

Jorgensen, Neal Albert, 5979 Woodcreek Lane, Middleton, Wisconsin 53562, US

PATENT ASSIGNEE(S):

WISCONSIN ALUMNI RESEARCH FOUNDATION, 614 North Walnut

Street Post Office Box 7365, Madison Wisconsin

53707-7365, US

PATENT ASSIGNEE NO:

319662

AGENT:

Ellis-Jones, Patrick George Armine, J.A. KEMP & CO. 14

South Square Gray's Inn, London WC1R 5LX, GB

AGENT NUMBER:

30442

OTHER SOURCE:

ESP1993045 EP 0549367 A1 930630

SOURCE:

Wila-EPZ-1993-H26-T1b

DOCUMENT TYPE:

LANGUAGE:

Anmeldung in Englisch; Veroeffentlichung in Englisch R BE; R CH; R DE; R DK; R ES; R FR; R GB; R LI; R NL

PATENT INFO.PUB.TYPE:

PATENT INFORMATION:

DESIGNATED STATES:

EPA1 EUROPAEISCHE PATENTANMELDUNG

PATENT NO KIND DATE EP 549367 A1 19930630 'OFFENLEGUNGS' DATE: 19930630 APPLICATION INFO.: EP 1992-311816 19921224 PRIORITY APPLN. INFO.: US 1991-814368 19911226

L5 ANSWER 12 OF 78 ACCESSION NUMBER:

PCTFULL COPYRIGHT 2001 MicroPatent

1996024258 PCTFULL

TITLE (ENGLISH):

A LOW PHOSPHORUS ANIMAL FEED CONTAINING 1'alpha'-HYDROXYLATED

VITAMIN D COMPOUNDS

TITLE (FRENCH):

ALIMENT POUR ANIMAUX A FAIBLE TENEUR EN

PHOSPHORE CONTENANT DES

COMPOSES DE LA VITAMINE D 1'alpha'-HYDROXYLES

INVENTOR(S): DELUCA, Hector, F.; BAKER, David, H. PATENT ASSIGNEE(S): WISCONSIN ALUMNI RESEARCH FOUNDATION LANGUAGE OF PUBL.: English DOCUMENT TYPE: Patent PATENT INFORMATION:

> NUMBER KIND WO 9624258 A1 19960815

DESIGNATED STATES:

AL AM AT AU BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU IS JP KE KG KZ LK LR LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ UA UG UZ VN KE LS MW SD SZ UG AZ BY KG KZ RU TJ TM AT BE CH DE DK ES FR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

APPLICATION INFO.: PRIORITY (ORIGINAL):

WO 1996-US1021 19960129 US 1995-8/383952 19950206

ABEN An animal feed containing 1 'alpha'-hydroxylated vitamin D compounds. The vitamin D compounds cause improved utilization of phosphorus, calcium, potassium, magnesium, zinc, iron and manganese in

animal feed so as to minimize, or perhaps eliminate, the need

supplemental quantities of these minerals in an animal diet. In addition,

low phosphorus containing animal feeds reduce the polluting effects on

the environment since less phosphorus is excreted in the animal's feces

which are then spread on agricultural land.

ABF L'invention concerne un aliment pour animaux contenant des composes de la vitamine D l'alpha' hydroxyles. Ces composes de la vitamine D provoquent une amelioration de l'utilisation du phosphore, du

calcium, du potassium, du magnesium, du zinc, du fer et du manganese, ce qui permet de diminuer, voire supprimer l'addition de ces substances minerales aux aliments pour animaux. En outre, des aliments pour animaux a faible teneur en phosphore diminuent la pollution de l'environnement

normalement associee au phosphore contenu dans les dejections, qui sont

repandues sur les terrains agricoles.

ANSWER 32 OF 78 USPATFULL

ACCESSION NUMBER: 1999:92343 USPATFULL TITLE:

Low phosphorus animal feed

containing 1.alpha.-hydroxylated vitamin D compounds

and method of preparing

INVENTOR(S):

DeLuca, Hector F., Deerfield, WI, United

States

Baker, David H., Champaign, IL, United States

Wisconsin Alumni Research Foundation, Madison, WI, PATENT ASSIGNEE(S): United States (U.S. corporation)

Board of Trustees of the University of Illinois,

Urbana, IL, United States (U.S. corporation)

NUMBER KIND DATE

PATENT INFORMATION:

US 5935624

19990810

APPLICATION INFO .:

US 1997-969295

19971113 (8)

RELATED APPLN. INFO.:

Continuation-in-part of Ser. No. US 1996-757448, filed on 27 Nov 1996, now abandoned which is a continuation of Ser. No. US 1995-452847, filed on 30 May 1995, now

abandoned which is a division of Ser. No. US 1995-383952, filed on 6 Feb 1995, now abandoned

DOCUMENT TYPE:

Utility

PRIMARY EXAMINER:

Corbin, Arthur L.

LEGAL REPRESENTATIVE:

Andrus, Sceales, Starke & Sawall

NUMBER OF CLAIMS: EXEMPLARY CLAIM:

1

LINE COUNT:

803

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

An animal feed, preferably a poultry feed,

containing an 1.alpha.-hydroxylated vitamin D compound. The vitamin D

compound causes improved utilization of phosphorus, calcium,

potassium, magnesium, zinc, iron and manganese available from inorganic sources in animal feed so as to minimize, or perhaps

eliminate, the need for supplemental quantities of these minerals in an

animal diet.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ANSWER 64 OF 78 USPATFULL

ACCESSION NUMBER:

82:32741 USPATFULL

TITLE:

Method for preventing parturient paresis in dairy

INVENTOR(S):

DeLuca, Hector F., Madison, WI, United States Schnoes, Heinrich K., Madison, WI, United States Jorgensen, Neal A., Middleton, WI, United States

PATENT ASSIGNEE(S): Wisconsin Alumni Research Foundation, Madison, WI,

United States (U.S. corporation)

NUMBER KIND DATE

PATENT INFORMATION:

US 4338312

19820706 19810511

(6)

APPLICATION INFO.:

US 1981-262093

DOCUMENT TYPE: PRIMARY EXAMINER: Utility

LEGAL REPRESENTATIVE:

Roberts, Elbert L. Bremer, Howard W.

NUMBER OF CLAIMS: EXEMPLARY CLAIM:

11 1

LINE COUNT:

201

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

A method for prophylactically treating dairy cattle for parturient paresis by administering to the cattle a 25-hydroxylated vitamin D compound and a 1.alpha.-hydroxylated vitamin D compound in combination in an amount sufficient to induce said prophylaxsis.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

T.5 ANSWER 65 OF 78 USPATFULL

ACCESSION NUMBER:

81:69422 USPATFULL

TITLE:

INVENTOR(S):

1.alpha., 25-dihydroxy-2.beta.-fluorovitamin D.sub.3 DeLuca, Hector F., Madison, WI, United States Schnoes, Heinrich K., Madison, WI, United States

Ikekawa, Nobuo, Musashinoshi, Japan

Tanaka, Yoko, Madison, WI, United States

Morisaki, Masuo, Tokyo, Japan Oshida, Jun-ichi, Tokyo, Japan

PATENT ASSIGNEE(S):

Wisconsin Alumni Research Foundation, Madison, WI,

United States (U.S. corporation)

NUMBER KIND

PATENT INFORMATION: APPLICATION INFO.:

US 4307025 US 1981-235262 19811222 19810217 (6)

DØCUMENT TYPE:

Utility

PRIMARY EXAMINER: LEGAL REPRESENTATIVE: Roberts, Elbert L. Bremer, Howard W.

NUMBER OF CLAIMS: EXEMPLARY CLAIM:

1

LINE COUNT:

218

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

The invention provides new derivatives of vitamin D.sub.3, specifically,

1.alpha., 25-dihydroxy-2.beta.-fluorocholecalciferol.

The compound is characterized by vitamin D-like activity as measured by its ability to stimulate intestinal calcium transport, mobilization of calcium from bone, increase serum inorganic phosphorous and in their antirachitic activity. The compound, could, therefore, find ready application as a substitute for vitamin D in its various known applications and in the treatment of various metabolic bone diseases.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ANSWER 72 OF 78 USPATFULL

ACCESSION NUMBER:

80:49750 USPATFULL

TITLE:

24,24-Difluoro-1.alpha.,25-dihydroxycholecalciferol

INVENTOR(S):

DeLuca, Hector F., Madison, WI, United States Schnoes, Heinrich K., Madison, WI, United States

Ikekawa, Nobuo, Tokyo, Japan

Tanaka, Yoko, Madison, WI, United States

Kobayashi, Yoshiro, Tokyo, Japan

PATENT ASSIGNEE(S):

Wisconsin Alumni Research Foundation, Madison, WI,

United States (U.S. corporation)

NUMBER KIND 19801007 US 4226788 US 1979-64254 19790806 (6)

APPLICATION INFO.: RELATED APPLN. INFO.:

PATENT INFORMATION:

Division of Ser. No. US 1979-24848, filed on 28 Mar

1979, now abandoned

DOCUMENT TYPE:

Utility

PRIMARY EXAMINER:

Roberts, Elbert L.

LEGAL REPRESENTATIVE:

Bremer, Howard W.

NUMBER OF CLAIMS:

1

EXEMPLARY CLAIM:

1

LINE COUNT:

353

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

The invention provides new derivatives of vitamin D,

24,24-difluoro-1.alpha.,25-dihydroxycholecalciferol and

24,24-difluoro-1.alpha.,25-dihydroxy-5,6-trans-cholecalciferol and processes for preparing the same.

The compounds are characterized by vitamin D-like activity essentially equivalent to the vitamin D-like activity of 1.alpha., 25dihydrocholecalciferol which is considered to be the hormonal form and most active derivative of vitamin D. The compounds of this invention

are

characterized by their ability to increase intestinal calcium transport,

increase serum calcium and to prevent the development of rickets. These compounds would find ready application as a substitute for vitamin D

and

in the treatment of disease states evincing metabolic calcium and phosphorus deficiences.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ANSWER 77 OF 78 USPATFULL

ACCESSION NUMBER:

78:47401 USPATFULL

TITLE:

Method of treating milk fever in dairy cattle with

1,25-dihydroxycholecalciferol

INVENTOR(S):

PATENT ASSIGNEE(S):

DeLuca, Hector F., Madison, WI, United States Jorgensen, Neal A., Middleton, WI, United States Wisconsin Alumni Research Foundation, Madison, WI,

United States (U.S. corporation)

NUMBER KIND DATE PATÉNT INFORMATION: US 4110446 19780829

APPLICATION INFO.: DOCUMENT TYPE:

US 1977-815587 Utility

19770714 (5)

PRIMARY EXAMINER:

Rosen, Sam

LEGAL REPRESENTATIVE: NUMBER OF CLAIMS:

Bremer, Howard W.

EXEMPLARY CLAIM:

1,6

LINE COUNT:

392

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

A method of treatment and prophylaxsis for milk fever in dairy cattle which comprises administering 1,25-dihydroxycholecalciferol to the cattle.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ANSWER 78 OF 78 USPATFULL

ACCESSION NUMBER:

73:27700 USPATFULL

TITLE:

1.alpha.-HYDROXYCHOLECALCIFEROL

INVENTOR(S):

DeLuca, Hector F., Madison, WI, United States Schnoes, Heinrich K., Waunakee, WI, United States Holick, Michael F., Madison, WI, United States Semmler, Erich J., Madison, WI, United States Wisconsin Alumni Research Foundation, Madison, WI,

PATENT ASSIGNEE(S):

United States (U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION: APPLICATION INFO.: DOCUMENT TYPE:	US 3741996 US 1971-204305 Utility		19730626 19711202	(5)

PRIMARY EXAMINER: LEGAL REPRESENTATIVE:

Roberts, Elbert L. Bremer; Howard W.

NUMBER OF CLAIMS:

2

LINE COUNT:

319

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AΒ

1.alpha.-hydroxycholecalciferol and method for preparing the same. The compound is characterized by antirachitic and other vitamin D-like activity and finds application in situations where vitamin D is now being used.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.